

HYDRIC SOIL INTERPRETATIONS  
HYDRIC SOILS LIST  
Edmunds County, South Dakota

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| Map symbol and<br>map unit name                                   | Component  | Hydric | Local landform | Hydric soils criteria      |                                 |                               |                              |
|---|------------|--------|----------------|----------------------------|---------------------------------|-------------------------------|------------------------------|
|   |            |        |                | Hydric<br>criteria<br>code | Meets<br>saturation<br>criteria | Meets<br>flooding<br>criteria | Meets<br>ponding<br>criteria |
| Ba:<br>BEARDEN LOAM   | BEARDEN    | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | DIVIDE     | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | GRASSNA    | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | SPOTTSWOOD | No     | ---            | ---                        | ---                             | ---                           | ---                          |
| Bc:<br>BOWBELLS-CRESBARD<br>LOAMS                                 | BOWBELLS   | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | CRESBARD   | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | NISHON     | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|   | PARNELL    | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|   | RANSLO     | No     | ---            | ---                        | ---                             | ---                           | ---                          |
| BoA:<br>BOWDLE LOAM, 0 TO 2<br>PERCENT SLOPES                     | TONKA      | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|   | BOWDLE     | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | DIVIDE     | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | LEHR       | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | SPOTTSWOOD | No     | ---            | ---                        | ---                             | ---                           | ---                          |
| BoB:<br>BOWDLE LOAM, 2 TO 6<br>PERCENT SLOPES                     | NISHON     | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|   | TONKA      | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|   | BOWDLE     | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | LEHR       | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | SPOTTSWOOD | No     | ---            | ---                        | ---                             | ---                           | ---                          |
| BrA:<br>BRYANT LOAM, 0 TO 2<br>PERCENT SLOPES                     | NISHON     | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|   | TONKA      | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|   | BRYANT     | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | GRASSNA    | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | NIOBELL    | No     | ---            | ---                        | ---                             | ---                           | ---                          |
| BrB:<br>BRYANT LOAM, 2 TO 6<br>PERCENT SLOPES                     | TONKA      | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|   | NISHON     | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|   | NOONAN     | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | TALLY      | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | BRYANT     | No     | ---            | ---                        | ---                             | ---                           | ---                          |
| BrC:<br>BRYANT LOAM, 6 TO 9<br>PERCENT SLOPES                     | BEARDEN    | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | GRASSNA    | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | NISHON     | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|   | TALLY      | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | TONKA      | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
| BvA:<br>BRYANT LOAM, SAND<br>SUBSTRATUM, 1 TO 3<br>PERCENT SLOPES | WILLIAMS   | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | BRYANT     | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | BOWDLE     | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | GRASSNA    | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | NISHON     | Yes    | pothole        | 3,2B3                      | YES                             | NO                            | YES                          |
|   | TONKA      | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |

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| Map symbol and<br>map unit name                           | Component             | Hydric | Local landform | Hydric soils criteria      |                                 |                               |                              |
|---|-----------------------|--------|----------------|----------------------------|---------------------------------|-------------------------------|------------------------------|
|   |                       |        |                | Hydric<br>criteria<br>code | Meets<br>saturation<br>criteria | Meets<br>flooding<br>criteria | Meets<br>ponding<br>criteria |
| BxB:<br>BRYANT-GRASSNA LOAMS,<br>2 TO 6 PERCENT<br>SLOPES | BRYANT                | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | GRASSNA               | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | BEARDEN               | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | NISHON                | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|   | TALLY                 | No     | ---            | ---                        | ---                             | ---                           | ---                          |
| Dv:<br>DIVIDE LOAM  | TONKA                 | Yes    | pothole        | 3,2B3                      | YES                             | NO                            | YES                          |
|   | DIVIDE                | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | BOWDLE                | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | SPOTTSWOOD            | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | HARRIET               | Yes    | flood plain    | 2B3                        | YES                             | NO                            | NO                           |
| EdE:<br>EDGELEY LOAM, 6 TO 20<br>PERCENT SLOPES           | REGAN                 | Yes    | flood plain    | 2B3,4                      | YES                             | YES                           | NO                           |
|   | EDGELEY               | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | BOWBELLS              | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | VIDA                  | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | WILLIAMS              | No     | ---            | ---                        | ---                             | ---                           | ---                          |
| GP:<br>GRAVEL PITS  | ZAHILL                | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | ORTHENTS,<br>GRAVELLY | No     | ---            | ---                        | ---                             | ---                           | ---                          |
| Gr:<br>GRASSNA LOAM                                       | GRASSNA               | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | BEARDEN               | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | TONKA                 | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
| He:<br>HEIL SILT LOAM                                     | NISHON                | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|   | HEIL                  | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|   | NISHON                | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|   | PARNELL               | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|   | TONKA                 | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
| LeA:<br>LEHR LOAM, 0 TO 3<br>PERCENT SLOPES               | LEHR                  | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | BOWDLE                | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | DIVIDE                | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | SPOTTSWOOD            | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | WABEK                 | No     | ---            | ---                        | ---                             | ---                           | ---                          |
| LeB:<br>LEHR LOAM, 3 TO 6<br>PERCENT SLOPES               | NISHON                | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|   | TONKA                 | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|   | LEHR                  | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | BOWDLE                | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | SPOTTSWOOD            | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | DIVIDE                | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | WABEK                 | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | MARYSLAND             | Yes    | flood plain    | 2B3                        | YES                             | NO                            | NO                           |
|   | TONKA                 | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |

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| Map symbol and<br>map unit name                               | Component               | Hydric | Local landform | Hydric soils criteria      |                                 |                               |                              |
|---|-------------------------|--------|----------------|----------------------------|---------------------------------|-------------------------------|------------------------------|
|   |                         |        |                | Hydric<br>criteria<br>code | Meets<br>saturation<br>criteria | Meets<br>flooding<br>criteria | Meets<br>ponding<br>criteria |
| LhB:<br>LEHR-BOWDLE LOAMS, 0<br>TO 6 PERCENT SLOPES           | LEHR                    | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | BOWDLE                  | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | BRYANT                  | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | WABEK                   | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | MARYSLAND               | Yes    | flood plain    | 2B3                        | YES                             | NO                            | NO                           |
|   | NISHON                  | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
| Lt:<br>LETCHER FINE SANDY<br>LOAM                             | TONKA                   | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|   | LETCHER                 | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | MIRANDA                 | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | NIOBELL                 | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | NOONAN                  | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | TALLY                   | No     | ---            | ---                        | ---                             | ---                           | ---                          |
| Lv:<br>LA PRAIRIE, CHanneled<br>AND RANSLO SOILS              | TONKA                   | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|   | WILLIAMS                | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | LA PRAIRIE              | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | RANSLO                  | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | BOWBELLS                | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | GRASSNA                 | No     | ---            | ---                        | ---                             | ---                           | ---                          |
| M-W:<br>MISCELLANEOUS WATER                                   | HARRIET                 | Yes    | flood plain    | 2B3                        | YES                             | NO                            | NO                           |
|   | MISCELLANEOU<br>S WATER | ---    | ---            | ---                        | ---                             | ---                           | ---                          |
| Mb:<br>PARNELL, PONDED  | PARNELL                 | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|   | PARNELL                 | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|   | HEIL                    | Yes    | pothole        | 3,2B3                      | YES                             | NO                            | YES                          |
| MdA:<br>MONDAMIN SILTY CLAY<br>LOAM, 0 TO 2 PERCENT<br>SLOPES | MONDAMIN                | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | BOWDLE                  | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | BRYANT                  | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | BEARDEN                 | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | HEIL                    | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|   | TALLY                   | No     | ---            | ---                        | ---                             | ---                           | ---                          |
| MdB:<br>MONDAMIN SILTY CLAY<br>LOAM, 2 TO 6 PERCENT<br>SLOPES | TONKA                   | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|   | MONDAMIN                | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | BEARDEN                 | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | BOWDLE                  | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | BRYANT                  | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | VIDA                    | No     | ---            | ---                        | ---                             | ---                           | ---                          |
| Mh:<br>MONDAMIN-HEIL SILTY<br>CLAY LOAMS                      | WILLIAMS                | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | TONKA                   | Yes    | pothole        | 3,2B3                      | YES                             | NO                            | YES                          |
|   | MONDAMIN                | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | HEIL                    | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|   | BEARDEN                 | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | BRYANT                  | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | NISHON                  | Yes    | pothole        | 3,2B3                      | YES                             | NO                            | YES                          |

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| Map symbol and<br>map unit name                            | Component          | Hydric | Local landform | Hydric soils criteria      |                                 |                               |                              |
|--|--------------------|--------|----------------|----------------------------|---------------------------------|-------------------------------|------------------------------|
|  |                    |        |                | Hydric<br>criteria<br>code | Meets<br>saturation<br>criteria | Meets<br>flooding<br>criteria | Meets<br>ponding<br>criteria |
| NmA:<br>NIOBELL-MIRANDA<br>LOAMS, 0 TO 3<br>PERCENT SLOPES | NIOBELL            | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | MIRANDA            | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | BOWBELLS           | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | HEIL               | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|  | NOONAN             | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | WILLIAMS           | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | TONKA              | Yes    | pothole        | 3,2B3                      | YES                             | NO                            | YES                          |
| NpB:<br>NIOBELL-NOONAN LOAMS,<br>1 TO 5 PERCENT<br>SLOPES  | NIOBELL            | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | NOONAN             | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | BOWBELLS           | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | BRYANT             | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | GRASSNA            | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | HEIL               | Yes    | pothole        | 3,2B3                      | YES                             | NO                            | YES                          |
|  | MIRANDA            | No     | ---            | ---                        | ---                             | ---                           | ---                          |
| Or:<br>ORTHENTS, LOAMY                                     | TALLY              | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | ORTHENTS,<br>LOAMY | No     | ---            | ---                        | ---                             | ---                           | ---                          |
| Pa:<br>PARNELL SILTY CLAY<br>LOAM                          | ORTHENTS,<br>SHALY | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | PARNELL            | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
| Rh:<br>RANSLO-HARRIET SILT<br>LOAMS                        | HEIL               | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|  | TONKA              | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|  | NISHON             | Yes    | pothole        | 3,2B3                      | YES                             | NO                            | YES                          |
|  | RANSLO             | No     | ---            | ---                        | ---                             | ---                           | ---                          |
| Rn:<br>REGAN SILT LOAM                                     | HARRIET            | Yes    | flood plain    | 2B3                        | YES                             | NO                            | NO                           |
|  | BEARDEN            | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | DIVIDE             | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | GRASSNA            | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | SPOTTSWOOD         | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | REGAN              | Yes    | flood plain    | 2B3,4                      | YES                             | YES                           | NO                           |
| Sp:<br>SPOTTSWOOD LOAM                                     | DIVIDE             | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | HARRIET            | Yes    | flood plain    | 2B3                        | YES                             | NO                            | NO                           |
|  | PARNELL            | Yes    | pothole        | 3,2B3                      | YES                             | NO                            | YES                          |
|  | RANSLO             | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | SPOTTSWOOD         | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | TONKA              | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|  | SPOTTSWOOD         | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | BOWDLE             | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | DIVIDE             | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | LEHR               | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | REGAN              | Yes    | flood plain    | 2B3,4                      | YES                             | YES                           | NO                           |

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|---|-----------|--------|----------------|----------------------------|---------------------------------|-------------------------------|------------------------------|
|   |           |        |                | Hydric<br>criteria<br>code | Meets<br>saturation<br>criteria | Meets<br>flooding<br>criteria | Meets<br>ponding<br>criteria |
| TaB:<br>TALLY FINE SANDY<br>LOAM, 2 TO 6 PERCENT<br>SLOPES      | TALLY     | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | BRYANT    | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | LETCHER   | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | NIOBELL   | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | NOONAN    | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | WILLIAMS  | No     | ---            | ---                        | ---                             | ---                           | ---                          |
| TbB:<br>TEMVIK-BRYANT LOAMS,<br>2 TO 6 PERCENT<br>SLOPES        | REGAN     | Yes    | flood plain    | 4,2B3                      | YES                             | YES                           | NO                           |
|   | TEMVIK    | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | BRYANT    | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | BEARDEN   | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | GRASSNA   | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | TALLY     | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | HEIL      | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|   | NISHON    | Yes    | pothole        | 3,2B3                      | YES                             | NO                            | YES                          |
| TgB:<br>TEMVIK-GRASSNA LOAMS,<br>3 TO 6 PERCENT<br>SLOPES       | TONKA     | Yes    | pothole        | 3,2B3                      | YES                             | NO                            | YES                          |
|   | TEMVIK    | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | GRASSNA   | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | BOWBELLS  | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | BRYANT    | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | WILLIAMS  | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | HEIL      | Yes    | pothole        | 3,2B3                      | YES                             | NO                            | YES                          |
|   | NISHON    | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
| TgC:<br>TEMVIK-GRASSNA LOAMS,<br>6 TO 9 PERCENT<br>SLOPES       | TONKA     | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|   | TEMVIK    | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | GRASSNA   | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | BOWBELLS  | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | BRYANT    | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | LEHR      | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | VIDA      | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | ZAHILL    | No     | ---            | ---                        | ---                             | ---                           | ---                          |
| Tn:<br>TONKA-NISHON SILT<br>LOAMS                               | TONKA     | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|   | NISHON    | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|   | HEIL      | Yes    | pothole        | 3,2B3                      | YES                             | NO                            | YES                          |
|   | PARNELL   | Yes    | pothole        | 3,2B3                      | YES                             | NO                            | YES                          |
| VdC:<br>VIDA EXTREMELY STONY<br>LOAM, 3 TO 15<br>PERCENT SLOPES | VIDA      | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | WABEK     | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | WILLIAMS  | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|   | TONKA     | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |

HYDRIC SOIL INTERPRETATIONS  
HYDRIC SOILS LIST  
Edmunds County, South Dakota

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| Map symbol and<br>map unit name                              | Component | Hydric       | Local landform | Hydric soils criteria      |                                 |                               |                              |
|--|-----------|--------------|----------------|----------------------------|---------------------------------|-------------------------------|------------------------------|
|  |           |              |                | Hydric<br>criteria<br>code | Meets<br>saturation<br>criteria | Meets<br>flooding<br>criteria | Meets<br>ponding<br>criteria |
| VwC:<br>VIDA-WILLIAMS LOAMS,<br>6 TO 15 PERCENT<br>SLOPES    | VIDA      | No           | ---            | ---                        | ---                             | ---                           | ---                          |
|  | WILLIAMS  | No           | ---            | ---                        | ---                             | ---                           | ---                          |
|  | BOWBELLS  | No           | ---            | ---                        | ---                             | ---                           | ---                          |
|  | TONKA     | Yes          | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|  | ZAHILL    | No           | ---            | ---                        | ---                             | ---                           | ---                          |
| VzE:<br>VIDA-ZAHILL LOAMS, 15<br>TO 25 PERCENT SLOPES        | HEIL      | Yes          | pothole        | 3,2B3                      | YES                             | NO                            | YES                          |
|  | VIDA      | No           | ---            | ---                        | ---                             | ---                           | ---                          |
|  | ZAHILL    | No           | ---            | ---                        | ---                             | ---                           | ---                          |
|  | BOWBELLS  | No           | ---            | ---                        | ---                             | ---                           | ---                          |
|  | PARNELL   | Yes          | pothole        | 3,2B3                      | YES                             | NO                            | YES                          |
| W:<br>WATER  | WILLIAMS  | No           | ---            | ---                        | ---                             | ---                           | ---                          |
|  | TONKA     | Yes          | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|  | WATER     | Unrank<br>ed | ---            | ---                        | ---                             | ---                           | ---                          |
|  | WABEK     | No           | ---            | ---                        | ---                             | ---                           | ---                          |
|  | BOWDLE    | No           | ---            | ---                        | ---                             | ---                           | ---                          |
| WaD:<br>WABEK LOAM, 6 TO 20<br>PERCENT SLOPES                | LEHR      | No           | ---            | ---                        | ---                             | ---                           | ---                          |
|  | TONKA     | Yes          | pothole        | 3,2B3                      | YES                             | NO                            | YES                          |
| WbC:<br>WABEK-BOWDLE LOAMS, 6<br>TO 15 PERCENT SLOPES        | BOWDLE    | No           | ---            | ---                        | ---                             | ---                           | ---                          |
|  | WABEK     | No           | ---            | ---                        | ---                             | ---                           | ---                          |
|  | BOWBELLS  | No           | ---            | ---                        | ---                             | ---                           | ---                          |
|  | LEHR      | No           | ---            | ---                        | ---                             | ---                           | ---                          |
|  | TALLY     | No           | ---            | ---                        | ---                             | ---                           | ---                          |
| WnB:<br>WILLIAMS-BOWBELLS<br>LOAMS, 3 TO 6<br>PERCENT SLOPES | NISHON    | Yes          | pothole        | 3,2B3                      | YES                             | NO                            | YES                          |
|  | TONKA     | Yes          | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|  | VIDA      | No           | ---            | ---                        | ---                             | ---                           | ---                          |
|  | WILLIAMS  | No           | ---            | ---                        | ---                             | ---                           | ---                          |
|  | BOWBELLS  | No           | ---            | ---                        | ---                             | ---                           | ---                          |
| WnC:<br>WILLIAMS-BOWBELLS<br>LOAMS, 6 TO 9<br>PERCENT SLOPES | BRYANT    | No           | ---            | ---                        | ---                             | ---                           | ---                          |
|  | CRESBARD  | No           | ---            | ---                        | ---                             | ---                           | ---                          |
|  | NIOBELL   | No           | ---            | ---                        | ---                             | ---                           | ---                          |
|  | NISHON    | Yes          | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|  | TONKA     | Yes          | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|  | VIDA      | No           | ---            | ---                        | ---                             | ---                           | ---                          |
|  | WILLIAMS  | No           | ---            | ---                        | ---                             | ---                           | ---                          |
|  | BOWBELLS  | No           | ---            | ---                        | ---                             | ---                           | ---                          |
|  | BRYANT    | No           | ---            | ---                        | ---                             | ---                           | ---                          |
|  | CRESBARD  | No           | ---            | ---                        | ---                             | ---                           | ---                          |
|  | PARNELL   | Yes          | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|  | TEMVIK    | No           | ---            | ---                        | ---                             | ---                           | ---                          |
|  | TONKA     | Yes          | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|  | VIDA      | No           | ---            | ---                        | ---                             | ---                           | ---                          |

HYDRIC SOIL INTERPRETATIONS  
HYDRIC SOILS LIST  
Edmunds County, South Dakota

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| Map symbol and<br>map unit name  | Component | Hydric | Local landform | Hydric soils criteria      |                                 |                               |                              |
|--|-----------|--------|----------------|----------------------------|---------------------------------|-------------------------------|------------------------------|
|  |           |        |                | Hydric<br>criteria<br>code | Meets<br>saturation<br>criteria | Meets<br>flooding<br>criteria | Meets<br>ponding<br>criteria |
| WtA:<br>WILLIAMS-BOWBELLS-<br>NISHON COMPLEX, 0 TO<br>2 PERCENT SLOPES   | WILLIAMS  | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | BOWBELLS  | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | NISHON    | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|  | CRESBARD  | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | NIOBELL   | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | NOONAN    | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | TONKA     | Yes    | pothole        | 3,2B3                      | YES                             | NO                            | YES                          |
| WtB:<br>WILLIAMS-BOWBELLS-<br>NISHON COMPLEX, 2 TO<br>6 PERCENT SLOPES   | WILLIAMS  | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | BOWBELLS  | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | NISHON    | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|  | NOONAN    | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | BRYANT    | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | NIOBELL   | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | LEHR      | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | PARNELL   | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
| WvC:<br>WILLIAMS-BOWBELLS-<br>PARNELL COMPLEX, 6<br>TO 9 PERCENT SLOPE S | TONKA     | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|  | WILLIAMS  | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | BOWBELLS  | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | PARNELL   | Yes    | pothole        | 3,2B3                      | YES                             | NO                            | YES                          |
|  | BRYANT    | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | CRESBARD  | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | LEHR      | No     | ---            | ---                        | ---                             | ---                           | ---                          |
|  | NISHON    | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|  | TONKA     | Yes    | pothole        | 2B3,3                      | YES                             | NO                            | YES                          |
|  | VIDA      | No     | ---            | ---                        | ---                             | ---                           | ---                          |

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HYDRIC SOILS LIST  
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| Map symbol and<br>map unit name | Component | Hydric | Local landform | Hydric soils criteria      |                                 |                               |                              |
|---------------------------------|-----------|--------|----------------|----------------------------|---------------------------------|-------------------------------|------------------------------|
|                                 |           |        |                | Hydric<br>criteria<br>code | Meets<br>saturation<br>criteria | Meets<br>flooding<br>criteria | Meets<br>ponding<br>criteria |
|                                 |           |        |                |                            |                                 |                               |                              |

FOOTNOTE: There may be small areas of included soils or miscellaneous areas that are significant to use an management of the soil; yet are too small to delineate on the soil map at the map’s original scale. These may be designated as spot symbols and are defined in the published Soil Survey Report or the USDA-NRCS Technical Guide, Part II.  
Areas mapped as water or any map unit that contains one of the following conventional symbols is considered a hydric soil map unit: marshes or swamps; wet spots; depressions; streams, lakes and ponds.

1. All Histosols except Folists, or
2. Soils in Aquic suborders, great groups, or subgroups, Albolls suborder, Aquisalids, Pachic subgroups, or Cumulic subgroups that are:

a. Somewhat poorly drained with a water table equal to 0.0 foot (ft) from the surface during the growing season, or

b. poorly drained or very poorly drained and have either:

(1) water table equal to 0.0 ft during the growing season if textures are coarse sand, sand, or fine sand in all layers within 20 inches (in),  
or for other soils

(2) water table at less than or equal to 0.5 ft from the surface during the growing season if permeability is equal to or greater than 6.0 in/hour (h) in all layers within 20 in, or

(3) water table at less than or equal to 1.0 ft from the surface during the growing season if permeability is less than 6.0 in/h in any layer within 20 in, or
3. Soils that are frequently ponded for long duration or very long duration during the growing season, or
4. Soils that are frequently flooded for long duration or very long duration during the growing season.



